

September 17, 2013

WELCOME TO THE
NIEM VIRTUAL TOWN HALL



For conference audio:

1-888-989-4714 Passcode: 1771963

AGENDA & SPEAKERS

What's New with NIEM?

- NIEM 3.0 updates
- Mark your calendars for NIEM in November
- “Best of NIEM” Awards



DONNA ROY

The Prescription Drug Monitoring Information Exchange Architecture (PMIX)

- What is PMIX?
- What is the business need?
- How does it work?



JOSHUA BOLIN



SCOTT SERICH

Question and Answer

Questions?

E-mail them to information@niem.gov OR type them into the

Chat

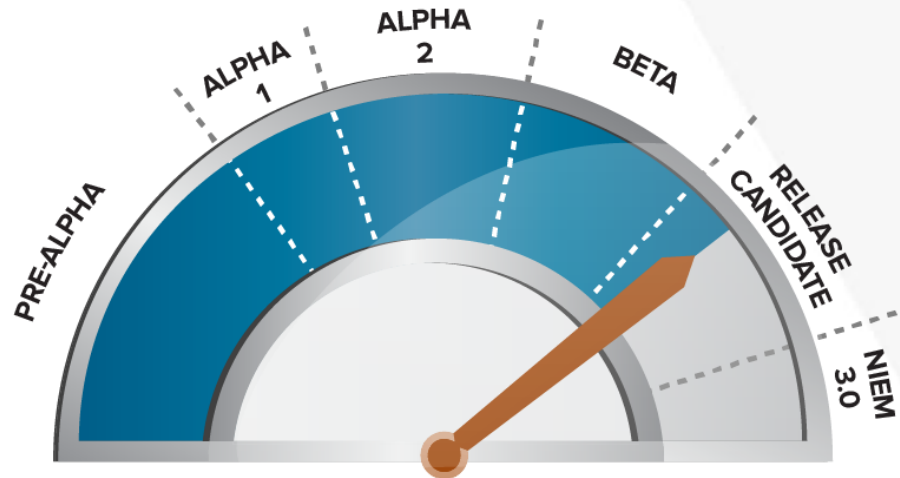
Box

WHAT'S NEW WITH NIEM?

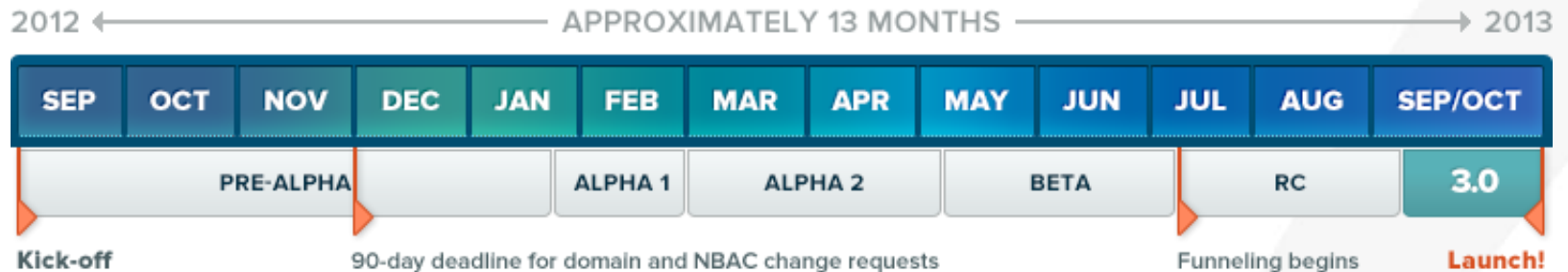
FEATURING: DONNA ROY

VERSION 3.0 IS ALMOST HERE!

On September 9, the Release Candidate review phase was completed. The team is getting ready for launch this fall!



NIEM 3.0 Schedule Overview



MARK YOUR CALENDARS NIEM IN NOVEMBER

THIS YEAR, WE'RE DOIN' **< NIEM >**
SOMETHING DIFFERENT in November

November 6, 2013

10:00 a.m.-5:00 p.m. EST

National Defense University,
Washington, DC

Live webcast

All-day live and virtual
event with panels,
demos, and more!

Find more information at NIEM.gov/NIEMinNovember

WHO'S DONE SOMETHING FANTASTIC WITH NIEM?

“BEST OF NIEM”

Best of NIEM recognizes NIEM implementation projects that **help improve how government works.**

Honorees receive:

- Acknowledgement at NIEM in November
- Exposure and recognition on NIEM.gov
- Bragging rights!



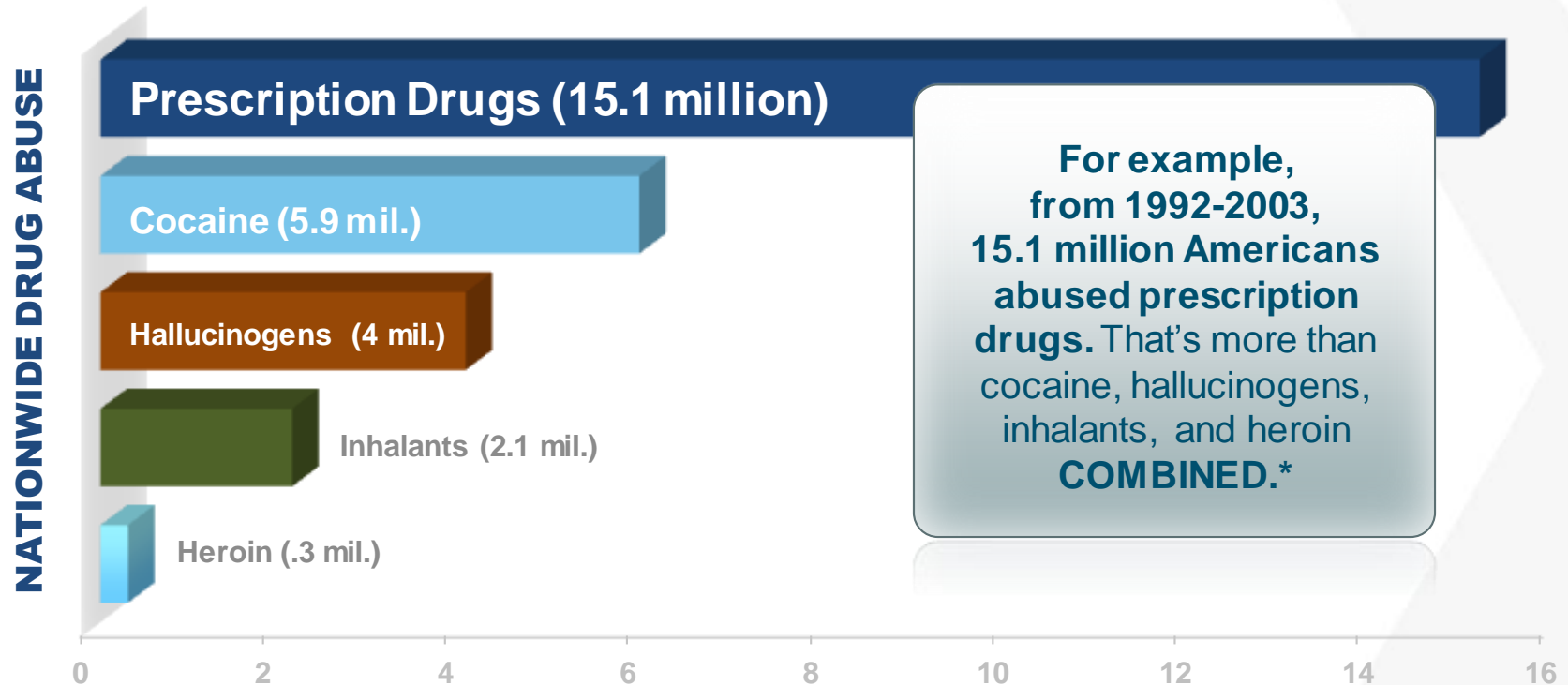
Deadline for nominations is October 10, 2013! Submit now at:
NIEM.gov/bestof

PMIX

THE PRESCRIPTION DRUG MONITORING INFORMATION EXCHANGE ARCHITECTURE

FEATURING: JOSHUA BOLIN and SCOTT SERICH

WHAT IS THE NEED FOR PRESCRIPTION DRUG MONITORING?



During the same period, there was a **150% INCREASE** in prescriptions written for controlled substances.

The brand cost of 4 mg of Dilaudid is \$88.94 per 100 tablets.
The street value for the same amount is \$10,000.** **The demand is REAL.**

PRESCRIPTION DRUG MONITORING CHALLENGES

**1 in 4 teens has used a
prescription drug to get high.**

27% of teens

believe that prescription drugs
are safer than illegal drugs.

20% of teens

believe that prescription pain
relievers are not addictive.

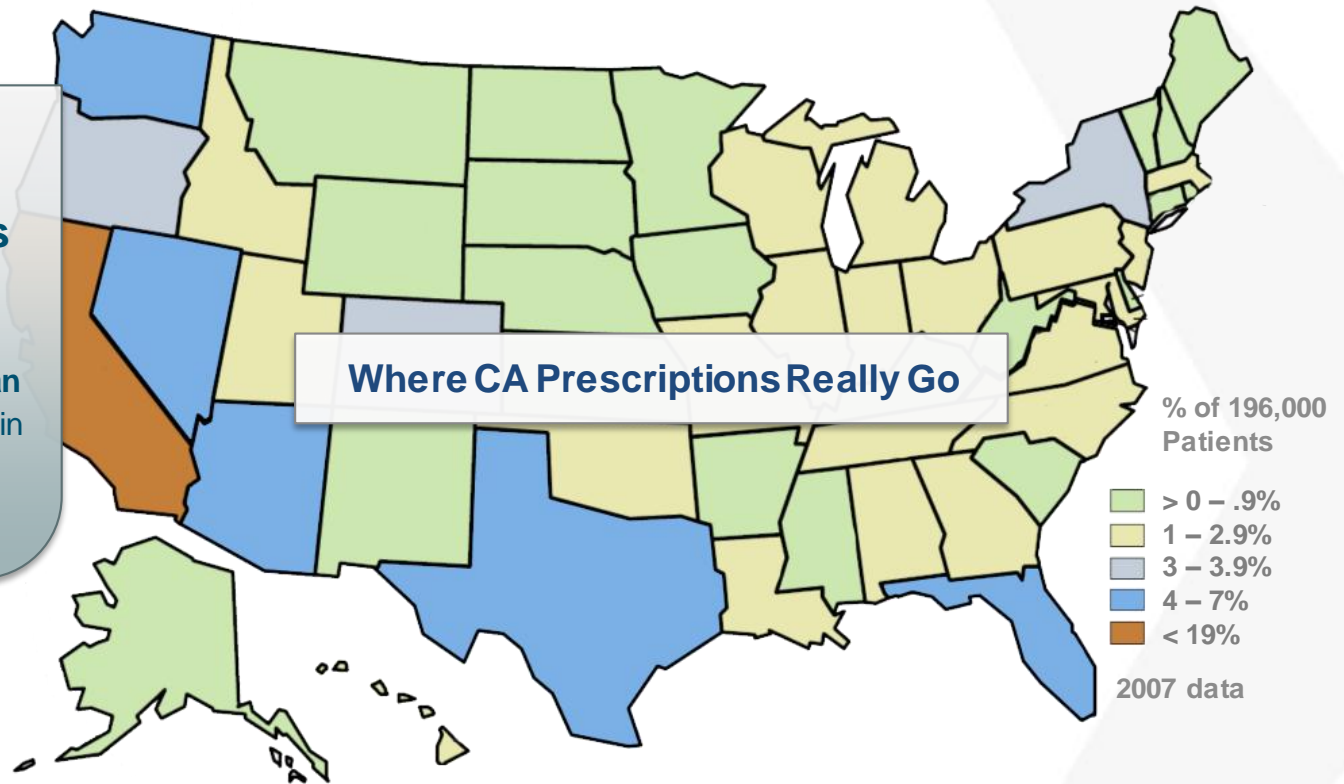
**“Prescription drug abuse is a silent epidemic that
is stealing thousands of lives and tearing apart
communities and families across America.”**

-Gil Kerlikowske, White House drug czar

PRESCRIPTION DRUG MONITORING CHALLENGES

Pharmaceutical drug abuse crosses state lines.

As this map shows, **less than 20%** of prescriptions written in California were written for California residents.



An individual can acquire prescribed drugs in multiple states.

Information sharing would enable practitioners to view dispensing records from other states

PRESCRIPTION DRUG MONITORING CHALLENGES

- Lack of Resources
- Lack of interoperability
- Low utilization
- Difficult to use/not integrating
- Different access requirements



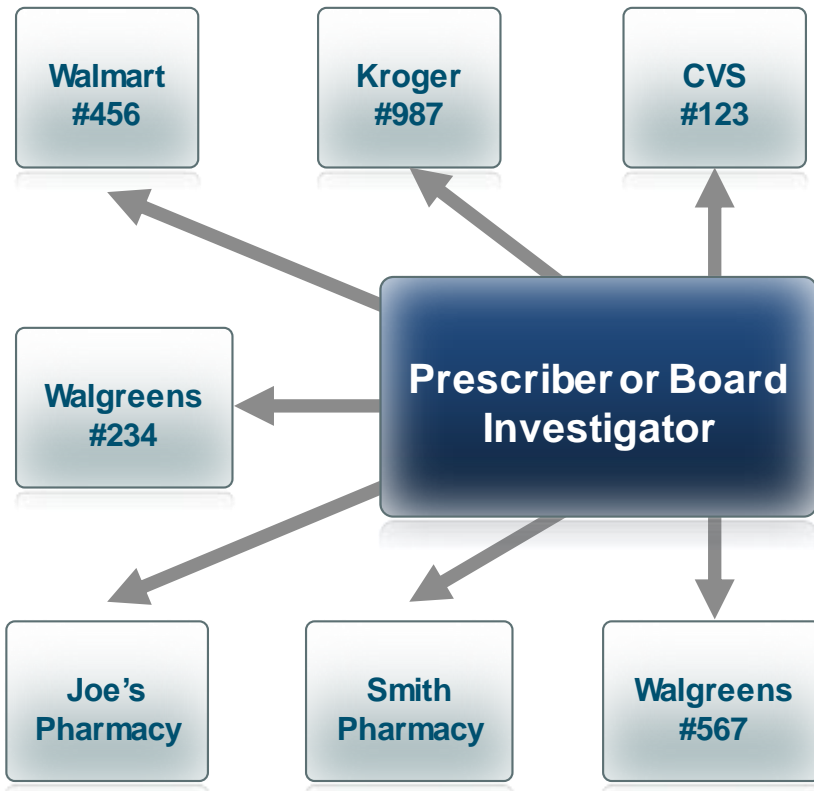
PRESCRIPTION DRUG MONITORING PROGRAM BACKGROUND

- Currently 46 operational PDMPs
- Collect controlled substance history
- Database that can be queried by healthcare, law enforcement, regulatory entities
 - **Prescribers and dispensers** can identify and prevent misuse and abuse
 - **Law enforcement** can inhibit and prevent diversion

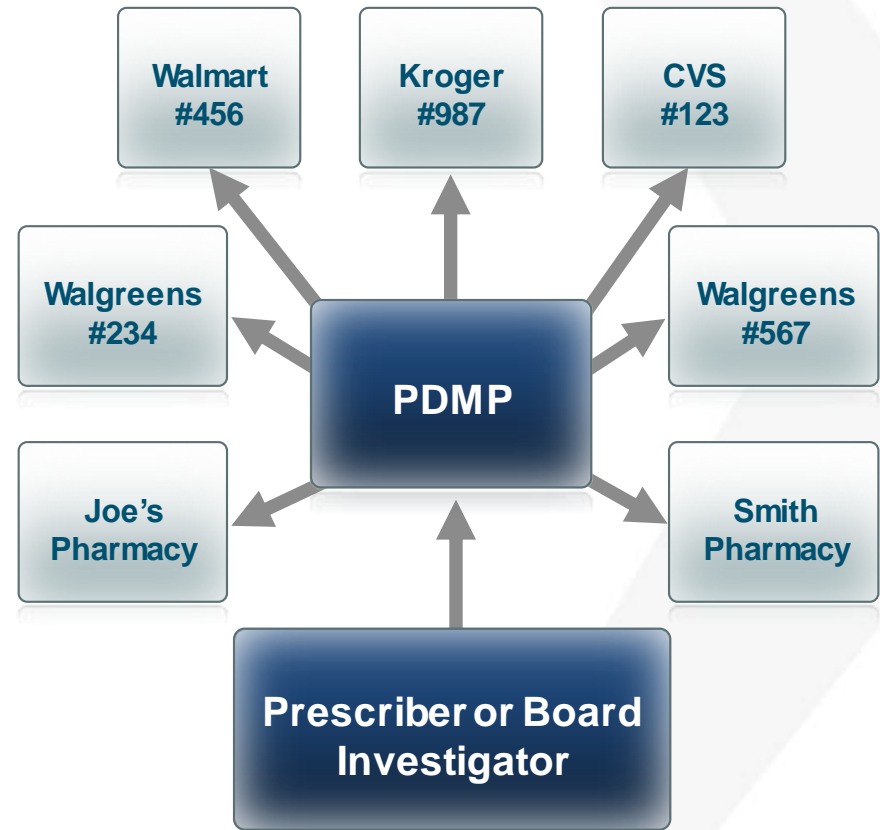


HOW PDMPs SUPPORT DATA COLLECTION

Data Collection **without** a PDMP



Data Collection **with** a PDMP



HOW DOES THE PMIX ARCHITECTURE HELP ADDRESS THE PROBLEM?

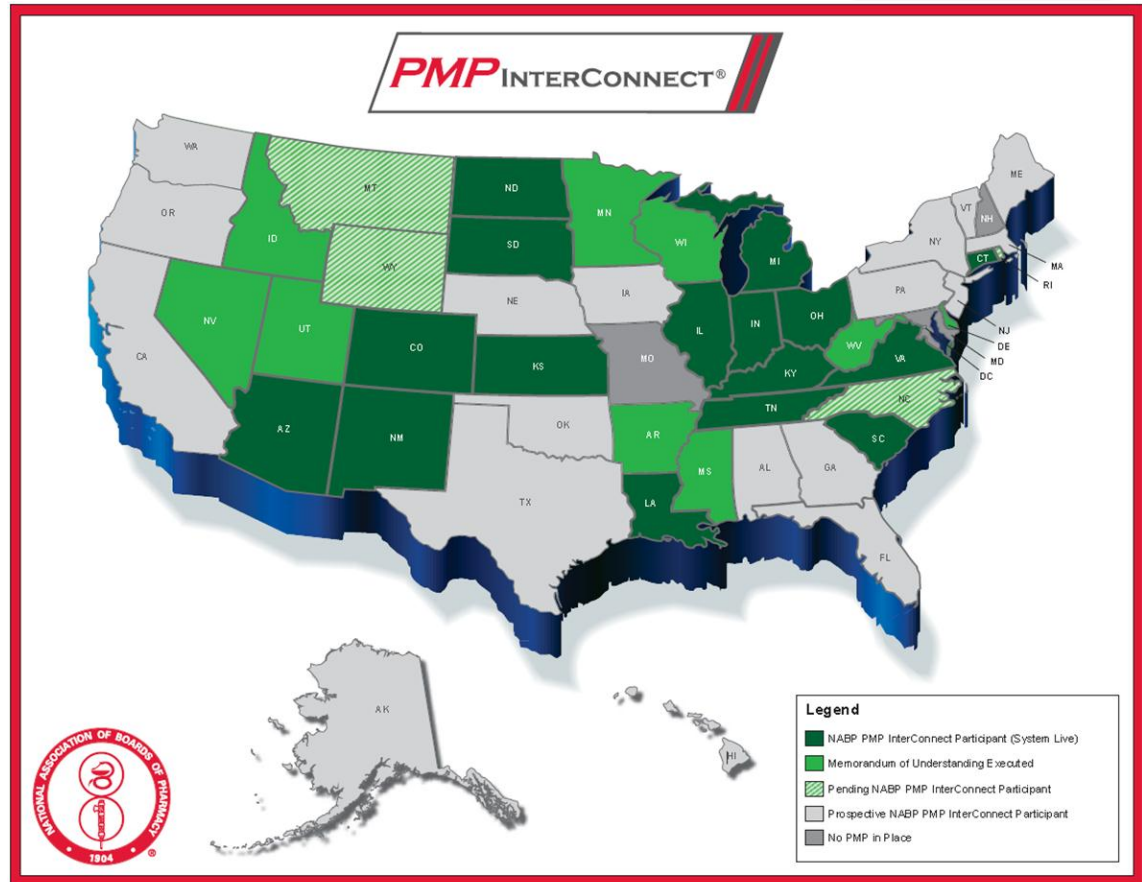
- Need for a standard to facilitate interstate data sharing
 - i.e. Prescription Drug Monitoring Program (PDMP) databases do not share a uniform design: **a common exchange data model would help mediate differences**
- Addresses unique access requirements



NIEM IN ACTION—PMIX USE CASE

NIEM is being used for messaging between PDMPs using interstate sharing hubs

- Messaging standard for interstate data exchanges
- 16 states connected to PMP InterConnect
- 15 more by the end of 2014
- 2,500,000+ requests processed



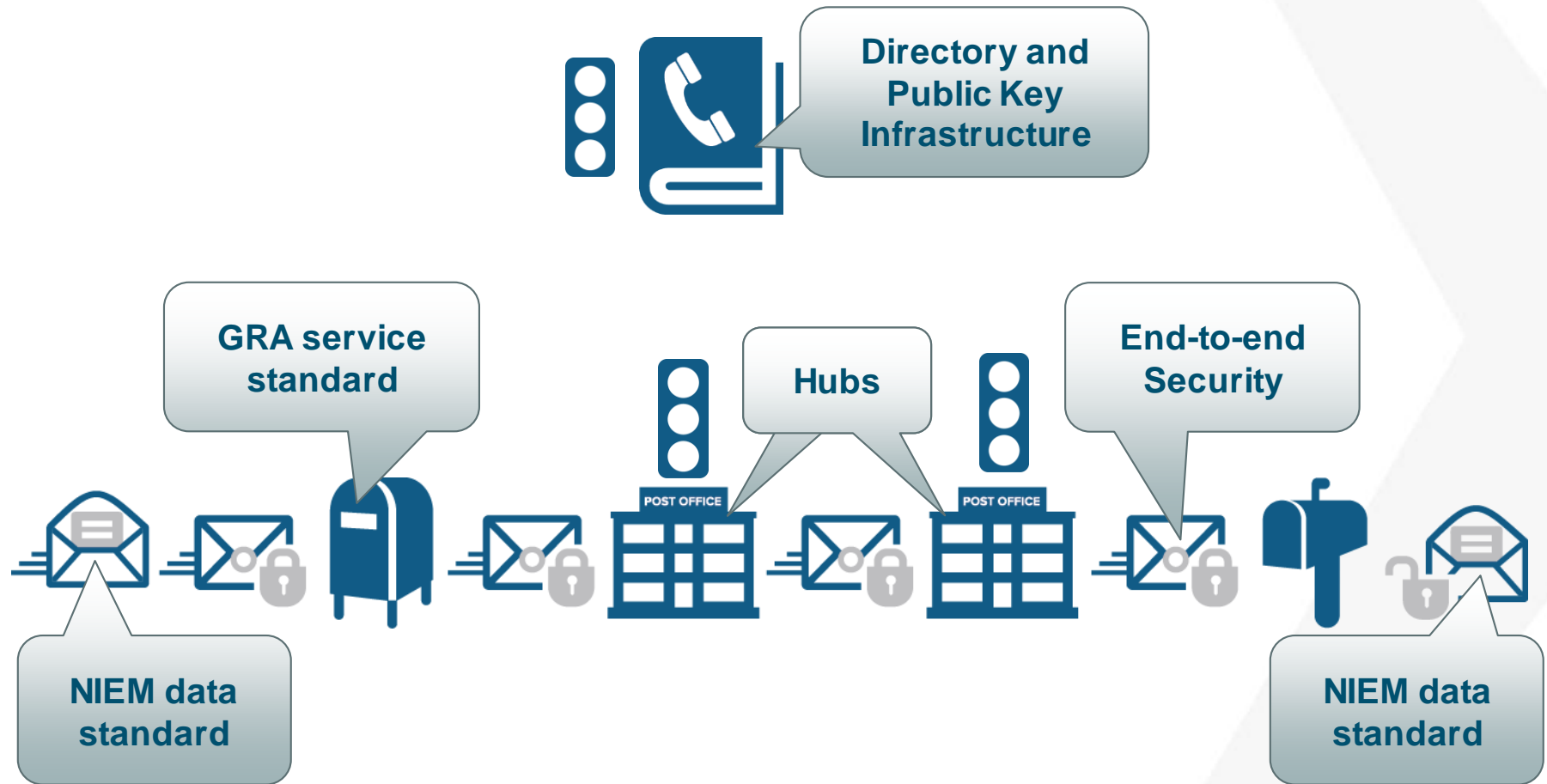
WHERE DOES NIEM FIT INTO PMIX?

- NIEM provided the foundation and tooling for the PMIX data model
- What data to share
- How to represent it in a consistent and predictable manner
- Somewhat conducive to consensus-based decision-making (state PDMPs and other interests)
- Adopting states can reuse the IEPD over and over (investment protection)

WHAT WERE THE BENEFITS OF USING NIEM?

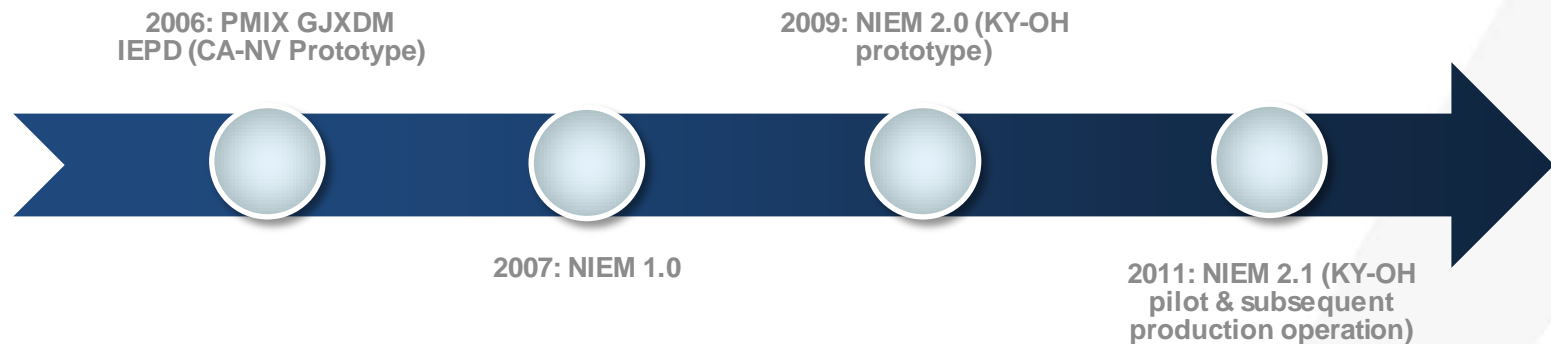
- Process provides orderly approach to reaching consensus
- Non-proprietary, third-party focal point
- Helps sharpen the focus on any issues that may frustrate achievement of the goal of information sharing
- Exchange partners retain control of databases
- Each transaction commences from non-interoperable starting point
- NIEM data models tend to be scalable
- No need for one-off, point-to-point data modeling
- NIEM utilizes “modern” self-describing XML
- NIEM tooling and support well-established

A POST OFFICE METAPHOR FOR THE PMIX ARCHITECTURE



LINEAGE OF THE PMIX DATA MODEL

- The ASAP pharmacy-to-PDMP reporting standard was a “carve-out” of the NCPDP standard, which was an extension of HL7 V2
- The PMIX IEPD extension schemas used the ASAP content as the starting point for performing the XML data modeling



QUESTION & ANSWER